

ABSTRACT OF THE DISCLOSURE:

A liquid crystal display is constructed so that the representative gray scale levels are extracted and set at close intervals in the gray scale transition areas where the optical response characteristics of the LCD panel are poor while the representative gray scale levels are set at dispersed intervals in the gray scale transition area where the optical response characteristics of the LCD panel is relatively good, to thereby allot the selected representative gray scale levels to the addresses of the OS table. A write gray scale determining portion, referring to compensation signal data values stored in correspondence with the combinations of the respective representative gray scale levels, determines the write gray scale data to the LCD panel, whereby the optical response characteristics of the LCD panel can be compensated with high precision.